

(use as many sheets as necessary)

AUG 05 2002

Sheet

of

4

Application Number	10/071,145
Filing Date	2/06/2002
First Named Inventor:	Ben Vakoc
Group Art Unit	2872
Examiner Name	Not Yet Assigned
Attorney Docket Number	5489P018

RECEIVED
AUG. 7 2002
TECHNOLOGY CENTER
#4
2

U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner
Signature

Edwin Fisher

Date Considered
18 APRIL 2003

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

Substitute for Form 1449A/PTO (Modified)		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Application Number	10/071,145
		Filing Date	2/06/2002
		First Named Inventor:	Ben Vakoc
		Group Art Unit	2872
		Examiner Name	Not Yet Assigned
AUG 8 5 2002 Sheet 2 of 4	Attorney Docket Number		5489P018
OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BB		D. Ostling and H.E. Engan, "Polarization-selective mode coupling in two-mode Hi-Bi fibers," Journal of Lightwave Technology, Vol. 15, No. 2, pp. 312-320 (February 1997).	
BB		W.P. Risk, G.S. Kino, and B.T. Khuri-Yakub, "Tunable optical filter in fiber-optic form," Optics Letters, Vol. 11, No. 9, pp. 578-580 (September 1986).	
BB		D.O. Culverhouse, et al., "All-fibre Acousto-optic Tunable Filter Based on a Null Coupler," Optical Communication 1996, ECOC '96, Vol. 3, pp. 317-320 (September 15-19, 1996).	
BB		H.Y. Rhy, et al., "Self-Switching with a Nonlinear Birefringent Loop Mirror," IEEE Journal of Quantum Electronics, Vol. 36, No. 1, pp. 89-93 (January 2000)	
BB		B. CROSIGNANI et al., "Kerr Effect and Chromatic Dispersion in Fiber-Optic Gyroscopes", Journal of Lightwave Technology, Vol. LT-3, No. 4, (A Joint IEEE/OSA Publication, August 1985, pp. 914-918	
BB		C. BALSLEV CLAUSEN et al., "Polarization Sensitivity of the Nonlinear Amplifying Loop Mirror", A Publication of the Optical Society of America, Optics Letters, Vol. 21, No. 19, October, 1996, pp. 1535-1537	
BB		E. DOWLING et al., "Lightwave Lattice Filters for Optically Multiplexed Communication Systems", Journal of Lightwave Technology, Vol. 12, No. 3, March 1994, pp. 471-486.	
BB		D.L. MACFARLANE et al., "Three-Mirror Etalons as Bandpass Filters for Modulated Optical Signals", IEEE Photonics Technology Letters, Vol. 5, No. 9 September 1993, pp. 1089-1092.	
BB		G. LENZ et al., "Dispersive Properties of Optical Filters for WDM Systems", IEEE Journal of Quantum Electronics, Vol. 34, No. 8, August 1998, pp. 1390-1402.	
BB		C.K. MADSEN et al., "An All-Pass Filter Dispersion Compensator using Planar Waveguide Ring Resonators", Bell Laboratories, Lucent Technologies, Room 1D148, 600 Mountain Avenue, Murray Hill NJ 07974, pp. FE6-1/99, 100/FE6-2, FE6-3/101 (3 total).	
BB		G. LENZ et al., "Optimal Dispersion of Optical Filters for WDM Systems", IEEE Photonics Technology Letters, Vol. 10, No. 4, April 1998, pp. 567-569.	
BB		C.K. MADSEN et al., "Phase Engineering Applied to Integrated Optical Filters", IEEE 1999, Bell Laboratories, Lucent Technologies, Room 1D148, 600 Mountain Avenue, Murray Hill NJ 07974, pp. 906-907.	

Examiner Signature	<i>John J. Jones</i>	Date Considered	10 APRIL 2003
--------------------	----------------------	-----------------	---------------

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Substitute for Form 1449A/PTO (Modified)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

of

4

Attorney Docket Number

5489P018

Complete if Known

Application Number

10/071,145

Filing Date

2/06/2002

First Named Inventor:

Ben Vakoc

Group Art Unit

2872

Examiner Name

Not Yet Assigned

RECEIVED
AUG 7 2002
TECHNOLOGY CENTER 2800

OTHER ART - NO PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JB		C.K. MADSEN et al., "A Multi-Channel Dispersion Slope Compensating Optical Allpass Filter", Bell Laboratories, Lucent Technologies, Room 1D148, 600 Mountain Avenue, Murray Hill, NJ 07974, pp. 94/WF5-1, WF5-2/9, 96/WF5-3 (3-total) (no date)	
JB		C.K. MADSEN, "General IIR Optical Filter Design for WDM Applications Using All-Pass Filters", Journal of Lightwave Technology, Vol. 18, No. 6, June 2000, pp. 860-868.	
JB		C.K. MADSEN et al., "A Tunable Dispersion Compensating MEMS All-Pass Filter", IEEE Photonics Technology Letters, Vol. 12, No. 6, June 2000, pp. 651-653.	
JB		A.H. GNAUCK et al., "Optical Equalization of Fiber Chromatic Dispersion in a 5-Gb/s Transmission System", IEEE Photonics Technology Letters, Vol. 2, No. 8, August 1990, pp. 585-587.	
JB		G. LENZ et al., "Optical Delay Lines Based on Optical Filters", IEEE Journal of Quantum Electronics, Vol. 37, No. 4 April 2001, pp. 525-532.	
JB		G. LENZ et al., "General Optical All-Pass Filter Structures for Dispersion Control in WDM Systems", Journal of Lightwave Technology, Vol. 17, No. 7, July 1999, pp. 1248-1254.	
JB		C.K. MADSEN, "A Multiport Frequency Band Selector with Inherently Low Loss, Flat Passbands, and Low Crosstalk", IEEE Photonics Technology Letters, Vol. 10, No. 12, December 1998, pp. 1766-1768.	
JB		C.K. MADSEN, "Efficient Architectures for Exactly Realizing Optical Filters with Optimum Bandpass Designs", IEEE Photonics Technology Letters, Vol. 10, No. 8, August 1998, pp. 1136-1138.	
JB		C.K. MADSEN et al., "Optical All-Pass Filters for Phase Response Design with Applications for Dispersion Compensation", IEEE Photonics Technology Letters, Vol. 10, No. 7, July 1998, pp. 994-996.	
JB		C.K. MADSEN et al., "Integrated All-Pass Filters for Tunable Dispersion and Dispersion Slope Compensation", IEEE Photonics Technology Letters, Vol. 11, No. 12, December 1999, pp. 1623-1625.	
JB		KOICHI TAKIGUCHI et al., "Dispersion Compensation Using a Planar Lightwave Circuit Optical Equalizer", IEEE Photonics Technology Letters, Vol. 6, No. 4, April 1994, pp. 561-564.	
JB		CHRISTI K. MADSEN et al., "Increasing the Free Spectral Range of Silica Waveguide Rings for Filter Applications", Optics Letters/Vol. 23, No. 3/February 1998, pp. 186-188.	

Examiner
Signature


Date

Considered

18 APRIL 2003

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

¹Unique citation designation number. ²Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

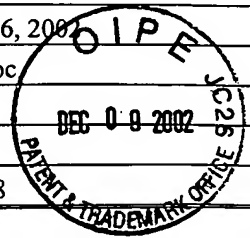
John F. Doe

18 APRIL 2003

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

(use as many sheets as necessary)

Application Number	10/071,145
Filing Date	February 6, 2008
First Named Inventor:	Ben Vakoc
Group Art Unit	2872
Examiner Name	
Attorney Docket Number	5489P018



Sheet	1	of	1
--------------	----------	-----------	----------

[illegible][illegible]

John Julius

Date Considered
18 APRIL 2003

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**